

Substitute for form 1449A/PTO		Complete If Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/725,538		
		Filing Date	December 3, 2003		
		First Named Inventor	Denis BABIN		
		Attorney	1722		
		Examiner Name	To Be Assigned		
Sheet	1	of	2	Attorney Docket Number	2107.0320001/ALF

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If Known)			
TWA	AA1	US-4,717,324	01-05-1988	Schad <i>et al.</i>	
TWA	AB1	US-5,028,228	07-02-1991	De'ath <i>et al.</i>	
TWA	AC1	US-5,200,527	04-06-1993	Griffiths <i>et al.</i>	
TWA	AD1	US-5,223,275	06-29-1993	Gellert	
TWA	AE1	US-5,582,851	12-10-1998	Hofstetter <i>et al.</i>	
TWA	AF1	US-5,650,178	07-22-1997	Bemis <i>et al.</i>	
TWA	AG1	US-5,891,381	04-06-1999	Bemis <i>et al.</i>	
TWA	AH1	US-5,894,023	04-13-1999	Schramm <i>et al.</i>	
TWA	AI1	US-5,935,614	08-10-1999	Blank <i>et al.</i>	
TWA	AJ1	US-6,082,840	05-16-2000	Lee <i>et al.</i>	
TWA	AK1	US-6,484,809	10-15-2002	Kazmer <i>et al.</i>	
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FOREIGN PATENT DOCUMENTS						
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		Country Code ³ Kind Code ⁵ (if known)				
TWA	FPD1	JP 7-40400	02-10-1995	Mitsubishi Material Corp.		
TWA	FPD2	JP 5-104580	04-27-1993	Nachi Fujikoshi Corp.		
TWA	FPD3	EP 0 393 389	10-24-1990	Husky Injection Molding Systems, Ltd.		

Examiner Signature <i>David H. Hirsch</i>	Date Considered <i>1-5-06</i>
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Substitute for form 1449B/PTO AUG 30 2004 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete If Known Application Number 10/725,538 Filing Date December 3, 2003 First Named Inventor Denis BABIN Art Unit 1722 Examiner Name To Be Assigned Attorney Docket Number 2107.0320001/ALF		
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	T ²
ZWH	NPLD1	Copy of European Search Report mailed March 30, 2004 for EP29422MATLoo, 5 pages.	


Examiner Signature <i>Jim H. Hinkle</i>	Date Considered 1-5-06
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Substitute for form 1449/PTO				<div style="text-align: center;">  </div>	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/725,538
				Filing Date	December 3, 2003
				First Named Inventor	Denis BABIN
				Art Unit	1722
				Examiner Name	Timothy W. Heitbrink
				Attorney Docket Number	2107.0320001
Sheet	1	of	5		

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FOREIGN PATENT DOCUMENTS						
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
TWH	FPD4	JP 58-142833	08/25/1983	Kobe Seikosho KK		
TWH	FPD5	JP 60-212321	10/24/1985	Yazaki Kakou KK		
TWH	FPD6	JP 63-166511	07/09/1988	Nissei Plastics Ind Co		
TWH	FPD7	JP 4-348923	12/03/1992	Mitsubishi Materials Corp.		
TWH	FPD8	JP 6-8285	01/18/1994	Toyota Motor Corp.		
TWH	FPD9	JP 6-166072	06/14/1994	Matsushita Electric Ind Co Ltd		
TWH	FPD10	JP 7-266379	10/17/1995	Meiki Co Ltd		X
TWH	FPD11	JP 9-1600	01/07/1997	Meiki Co Ltd		
TWH	FPD12	JP 9-39033	02/10/1997	Sato Tekkosho KK		

Examiner Signature	<i>Tim Heitrich</i>	Date Considered	1-5-06
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Substitute for form 1449/PTO FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/725,538
				Filing Date	December 3, 2003
				First Named Inventor	Denis BABIN
				Art Unit	1722
				Examiner Name	Timothy W. Heitbrink
Sheet	2	of	5	Attorney Docket Number	2107.0320001

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TWH	AA2	4,863,369	09/05/1989	Schad <i>et al.</i>	
TWH	AB2	5,043,129	08/27/1991	Sorensen	
TWH	AC2	5,112,212	05/12/1992	Akselrud <i>et al.</i>	
TWH	AD2	5,141,696	08/25/1992	Osuna-Diaz	
TWH	AE2	5,149,547	09/22/1992	Gill	
TWH	AF2	5,192,555	03/09/1993	Arnott	
TWH	AG2	5,238,378	08/24/1993	Gellert	
TWH	AH2	5,260,012	11/09/1993	Arnott	
TWH	AI2	5,389,315	02/14/1995	Yabushita	
TWH	AJ2	5,454,995	10/03/1995	Rusconi <i>et al.</i>	
TWH	AK2	5,478,520	12/26/1995	Kasai <i>et al.</i>	
TWH	AL2	5,556,582	09/17/1996	Kazmer	
TWH	AM2	5,605,707	02/25/1997	Ibar, Jean-Pierre	
TWH	AN2	5,762,855	06/09/1998	Betters <i>et al.</i>	
TWH	AO2	5,766,654	06/16/1998	Groleau	
TWH	AP2	5,773,038	06/30/1998	Hettinga	
TWH	AQ2	5,814,358	09/29/1998	Bock	
TWH	AR2	5,849,236	12/15/1998	Tatham	
TWH	AS2	5,919,492	07/06/1999	Tarr <i>et al.</i>	
TWH	AT2	6,045,740	04/04/2000	Gorlich	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
TWH	FPD13	JP 9-141688	06/03/1997	Towa KK	
TWH	FPD14	JP 11-5232	01/12/1999	Matsushita Electric Ind. Co. LTD	
TWH	FPD15	CN 2527427Y	12/25/2002	Shi Xiaolang	X
TWH	FPD16	EP 0 624 449 A2	11/17/1994	Husky Injection Molding Systems Ltd	
TWH	FPD17	EP 0 901 896 A2	03/17/1999	Kona Corp.	
TWH	FPD18	EP 0 967 063 A1	12/29/1999	Dynisco Hotrunners, Inc.	
TWH	FPD19	EP 1 013 395 A1	06/28/2000	Husky Injection Molding Systems Ltd	
TWH	FPD20	DE 19802048 A1	07/22/1999	Baudisch Andreas	
TWH	FPD21	WO 98/56564	12/17/1998	Incoe Corp.	

Examiner Signature	<i>Tim Heitbrink</i>	Date Considered	1-5-06
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Examiner Name	Timothy W. Heitbrink				
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TWH	AA3	6,090,318	07/18/2000	Bader <i>et al.</i>	
TWH	AB3	6,099,767	08/08/2000	Tarr <i>et al.</i>	
TWH	AC3	6,228,309	05/08/2001	Jones <i>et al.</i>	
TWH	AD3	6,245,278	06/12/2001	Lausenhammer <i>et al.</i>	
TWH	AE3	6,254,377	07/03/2001	Kazmer <i>et al.</i>	
TWH	AF3	6,261,075	07/17/2001	Lee <i>et al.</i>	
TWH	AG3	6,287,107	09/11/2001	Kazmer <i>et al.</i>	
TWH	AH3	6,294,122	09/25/2001	Moss <i>et al.</i>	
TWH	AI3	6,309,208	10/30/2001	Kazmer <i>et al.</i>	
TWH	AJ3	6,343,921	02/05/2002	Kazmer <i>et al.</i>	
TWH	AK3	6,343,922	02/05/2002	Kazmer <i>et al.</i>	
TWH	AL3	6,361,300	03/26/2002	Kazmer <i>et al.</i>	
TWH	AM3	6,558,603	05/06/2003	Wobbe <i>et al.</i>	
TWH	AN3	6,683,283	01/27/2004	Schmidt	
TWH	AO3	6,699,422	03/02/2004	Sternke	
TWH	AP3	6,884,061	04/26/2005	Okamura <i>et al.</i>	
TWH	AQ3	2002/0071888	06/13/2002	Bouti	
TWH	AR3	2002/0121713	09/05/2002	Moss <i>et al.</i>	
TWH	AS3	2003/0170340	09/11/2003	Sicilla <i>et al.</i>	
TWH	AT3	2003/0224086	12/04/2003	Olaru	

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TWH	FPD22	WO 99/54109	10/28/1999	Dynisco Hotrunners, Inc.		
TWH	FPD23	WO 00/35655	06/22/2000	Moser		
TWH	FPD24	WO 01/21377	03/29/2001	Dynisco Hotrunners, Inc.		
TWH	FPD25	WO 01/36174	05/25/2001	Moser		
TWH	FPD26	WO 01/60580	08/23/2001	Dynisco Hotrunners, Inc.		
TWH	FPD27	WO 02/36324	05/10/2002	Synventive Molding Solutions, Inc.		
	FPD28					
	FPD29					
	FPD30					

Examiner Signature	<i>Tim Heitbrink</i>	Date Considered	1-5-06
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				Art Unit	1722
				Examiner Name	Timothy W. Heitbrink
Sheet	5	of	5	Attorney Docket Number	2107.0320001/PAS

NON PATENT LITERATURE DOCUMENTS			
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TWH	NPLD2	"The Five Step Process" - An Industry Standard Process for Diagnosing and Isolating Cavity Variations in Multi-Cavity Injection Molds, Beaumont Runner Technologies, Inc. http://www.meltflipper.com/fivestep/fivestep.html ; dated: March 15, 2004	
TWH	NPLD3	"Micromolding Sizing Up the Challenges" by Mikell Knights, Senior Editor, Plastics Technology, http://www.plasticstechnology.com ; dated: November 23, 2001	
TWH	NPLD4	Sensors and Data Acquisition for Injection Molding Cavity Pressure and Temperature Sensor and DataFlow; Kistler Japan Co., Ltd.; http://www.Kistler.co.jp ; 2003	
TWH	NPLD5	Tooling Innovations for Thermoset Molding; Nunnery <i>et al.</i> ; www.bulkmolding.com/technical-papers/tooling_thermosetmolding.pdf ; 2003	
TWH	NPLD6	Ewikon Hotrunner Systems for large parts; May 2000	
TWH	NPLD7	SG-Link™ Wireless Strain Gauge System, www.microstrain.com ; dated: April 29, 2004	
TWH	NPLD8	"Pressure and Temperature Control of Multicavity Injection Mold with Hydraulic Valve Gate Hot Mold System," No. 301, p. 333, Research Disclosure, Kenneth Mason Publications, Hampshire, GB, May 1989, ISSN: 0374-4353	
	NPL9		
	NPL10		
	NPL11		

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